

First in Quality, **Durability and** Performance.

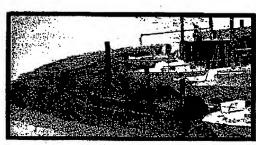
> 3 YEAR **Limited Warranty**

**** Featuring a quick change power connection cord that allows for easy on-site replacement. New more efficient motors for lower energy consumption. *******

Performance Certified Tested

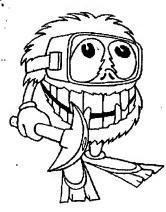






POWER HOUSE

MADE IN USA



formation around boats, marinas, floating docks, piers, pilings, boat houses, bulkheads, horse, fish and duck ponds.

Ice Eater's propeller draws up warmer subsurface water and deflects it to the surface creating a constant circulation of warmer water that prevents ice formation. Ice Eater will melt existing ice. Just cut a hole and lower unit into place.

DESIGN FEATURES

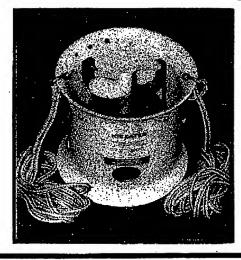
The design of the Ice Eater's venturi shroud (housing) with outwardly flared ends draws warmer water from greater depths than other conventional de-icers.

The shroud is suspendable below the surface either vertically or angled from vertical. A set of mounting holes at opposed positions on the flange allows the lines to be attached.

By moving one line at the top of the flange, directional flow is controlled. This venturi type design produces more water turbulence and controlled flow for maximum performance.

MODEL P500

- 1/2 H.P. energy efficient high quality motor with 28 pounds thrust at 5.0 amps, 120 volt, one phase, 60 cycle.
- 25 foot quick change power cord.
- Two 25 foot x 3/8 hollow braided lines with shackles.
- Dimensions of shipping box 12 5/sx12 5/sx12 3/4 weight 38 pounds.



MODEL P750

- 3/4 H.P. energy efficient high quality motor with 36 pounds thrust at 4.7 amps, 120 volt, one phase, 60 cycle, and 2.5 amps, 220 volt.
- 25 foot quick change power cord.
- Two 25 foot x ³/₆ hollow braided lines with shackles.
- Dimensions of shipping box 14 1/2x14 1/2x16 1/s weight 45 pounds.
- Ice Eater De-Icers are custom designed and engineered for maximum performance. Our units are designed to agitate fresh or salt water at maximum efficiency in all climatic conditions.
- Our energy efficient Ice Eater's will agitate more water than any De-Icer on the market today.
- We ship by U.P.S. or motor freight. Phone (410) 654-9700
- Buy the Best. Specify an "Ice Eater" today.

MODEL SPECIFICATIONS

All models have the following:

- Motor housing is constructed of 16 gauge 304 stainless steel and bronze endbell for corrosion free operation in fresh or salt water. Motor exceeds NEMA specifications and is UL and CSA compliant, and C.E. certified.
- Motor shaft is 316 stainless steel, the best material for salt water application.
- Permanent split capacitor ensures quick high torque and smooth operation, while producing the highest efficiency of a single phase induction motor. Motor and capacitor are matched for ultimate performance.
- Internal, heavy duty, hard faced mechanical seal with stainless components immersed in dielectric lubricating fluid. Additional double lip shaft seal for extra protection.
- Stator motor windings have double impregnation of baked insulating varnish.
- Two heavy duty ball bearings provide support for the rotor while being cooled with dielectric type oil.

- Sacrificial custom designed zinc is provided for conditions where electrolysis may be present.
- Propeller is custom designed for maximum thrust and performance. Propeller screws on shaft for easy removal and replacement.
- Twenty-five feet of 16/3 water and oil resistant cord with three prong molded plug is standard. Additional length cord available: 50 and 100 feet.
- Heavy duty PVC custom brackets that attach motor to shroud. All stainless bolts and locking aircraft nuts are used.
- Performance certified tested at our facility for proper output and leaks before shipment.
- Best three year limited warranty in the marketplace.
- Comes complete, just open the box, remove and install.
- Optional thermostat custom design turns Ice Eater on when needed. Ideal for unattended application.

MODEL P200

- 1/20 H.P. energy efficient PSC motor 1.5 amps,120 volt, one phase, 60 cycle.
- 25 foot quick change power cord.
- Two 25 foot x ³/₅ hollow braided lines with shackles.
- Dimension of shipping box
 12 ⁵/₈ x 12 ⁵/₈ x 12 ³/₄ weight 29 pounds.
- ★ For Individual boats and slips or light ice.
- ★ Very Low Power Consumption



- 1 H.P. energy efficient high quality motor
 115/220 volts, 7.0/3.5 amps one phase, 60 cycle.
- 25 foot quick change power cord.
- Two 25 foot x ³/₈ hollow braided lines with shackles.
- Dimension of shipping box 14 ½ x 14 ½ x 16 ½ weight 50 pounds.
- ★ For large boats, marinas and heavier uses.
- ★ Can be used in place of several smaller units



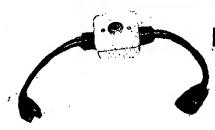
Also Available in 2 & 3 Hp

Models for Commercial Applications



POWER HOUSE

20 Gwynns Mill Court
Owings Mills, Maryland 21117
(410) 654-9700 Merber
1-800-243-4741
(410) 654-9706 Fax



ICE EATER THERMOSTAT

Heavy duty fixed thermostat, now available in 2 models: Model FT2535: On at 25° (\pm 3°) Off at 35°(\pm 3°). For areas that freeze at lower ambient air temperatures. (i.e. salt water) Model FT3040: On at 30° (\pm 3°) Off at 40° (\pm 3°). For areas that freeze quickly. (i.e. freshwater)



SPARE PROPELLER

Custom designed propeller molded out of nylon for strength. Propeller screws on motor shaft.



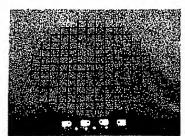
REPLACEMENT ZINC

Ice Eater custom designed zinc fits over shaft of motor. Prevents electrolysis of Ice Eater components.



POWER CORDS

Units available with 25 foot cord, optional 50 or 100 foot cord length. 30 amp twist lock plugs for power centers can be provided as an additional option.



SCREEN ACCESSORY KIT

Helps prevent debris damage. Can be used on bottom or top or both as needed by area conditions.

ENERGY EFFICIENT MOTOR

Custom designed stainless steel motor, housing 1/20, 1/2, 3/4, 1 Hp motors fit in existing housing.

MOTORS-SPECIAL ORDERS

Motors are available in special voltages, 50 and 60 cycle. Call Factory for more information and special pricing.

TESTIMONIALS

"I have been using your P750 loe Eater for the past 4 years and find it works more effectively than those I purchased from other manufacturers. The Ice Eater keeps a larger area free of Ice and used up to 6Kw less power per day. Taken over a 4 month period this is a savings of 21,600 Kw."

"The unit performed exactly as I would hope. For us it is perfect for maintaining a 'fire hole' for our fire department."

"I told you I would send pictures showing how well your pumps melt ice. Unfortunately, they melted so much ice you cannot see the ice." Frank L. Keeler Cempbelford, Ontario Canada October 3, 1990

Jefferson Beach Marina St. Clair Shores, Mi January 24, 1991

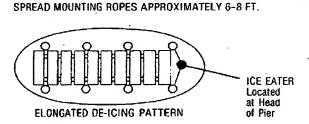
Snug Harbor Marina Pentwater, MI March 27, 1991

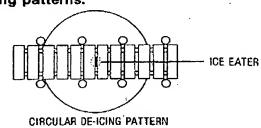
Power House ICE EATERS are currently in use from Maine to California, Canada to Texas. Power House equipment is also in use in Scandinavia, Northern Europe and Great Britian.

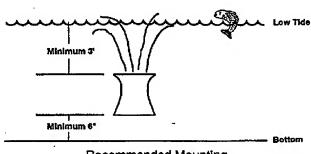
With over 15 years experience and the only PATENTED DESIGN AND THREE YEAR WARRANTY in the industry, Power House energy efficient ICE EATERS are your best protection against ice damage to boats, docks and piers.

APPLICATION

PVC Housing design allows 4 different de-icing patterns.







Recommended Mounting

For engineering, design and layout assistance, call The Power House at 1-800-243-4741. NO MORE OIL!!

NO MORE OIL!!

Now with

Now with

Environmentally Friendly

Non-Toxic Biodegradebile

Non-Toxic Biodegradebile

Non-Toxic Biodegradebile

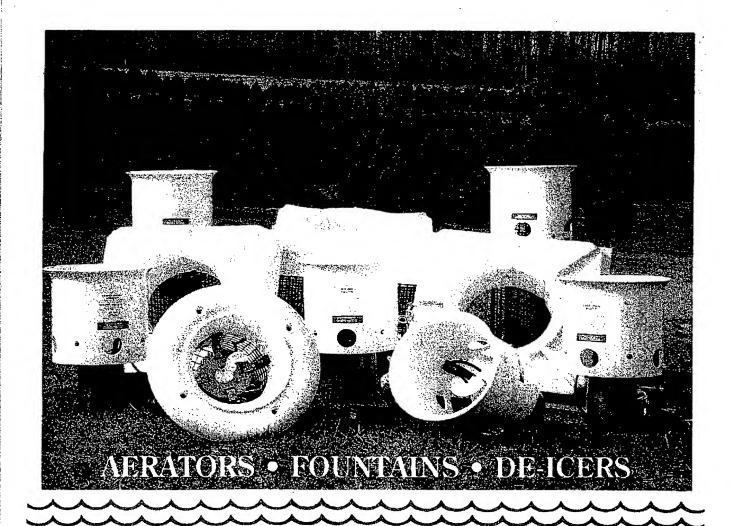
Non-Toxic Biodegradebile

Non-Toxic Biodegradebile

THE POWER HOUSE, INC.

800-243-4741 www.thepowerhouseinc.com

PRODUCTS FOR AQUACULTURE & POND BEAUTIFICATION





THE POWER HOUSE

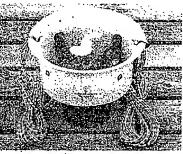
UNIQUE BY DESIGN – SUPERIOR IN PERFORMANCE FIRST IN QUALITY

MODEL FO.05 AERATOR

USED IN HATCHERIES, REARING TANKS, MINNOW VATS, SMOLT AND FRY TANKS, SMALL RACEWAYS, AND HATCHING TROUGHS

- . Tested At Auburn University and University of Maryland, USA
- Average standard aeration efficiency 3.59 Lb./0,/H.P./Hr.
- Standard oxygen transfer rate averaged 0.179 Lb./0_/Hr. (81 g 0_/Hr.)
- Test results available upon request.
- · 1/20TH H.P. Energy Efficient PSC Motor
- 1.5 AMP, 120 Volt, 60 Cycle
- · Fresh and Salt Water Durability
- 304 Stainless Steel And Bronze Construction
- 25 Foot Power Cord Standard
- Completely Submersible
- Propellor Designed For Maximum Thrust
- Gallons Per Minute 291.4

- New Stainless Steel Shackles
- Lightweight And Portable: 28LBS -12.6 Kilograms
- Comes Complete With Two 25 Foot Lines
- Cage Provided 1 Inch Mesh
- Motor UL/CSA Recognized & CE Certified
- One Year Limited Warranty
- Ship U.P.S. Or Pallet Load Motor Freight
- See Back for Specifications

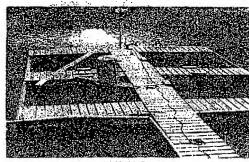


1/20TH H.P.

MODEL F500 AERATOR

USED IN HATCHERIES, RACEWAYS, AND SMALL FISH CULTURE PONDS

- Increases Fish Density
- Excellent Water Circulation and Mixing
- Removes Carbon Dioxide
- Helps Prevent Algae Growth
- For Ponds of .1 to .5 Acres



1/2 H.P.

Performance Tested At Auburn University, and University of Maryland, USA



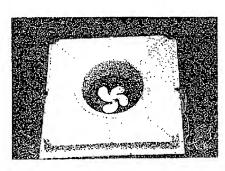
- 1/2 H.P. Energy Efficient PSC Motor
- 5.0 AMPS, 120 Volt, 60 Cycle
- Fresh and Salt Water Durability
- 304 Stainless Steel And Bronze Construction
- Completely Submersible
- Propellor Designed For Maximum Thrust
- Comes With 50 Foot Power Cord Standard
- · Lightweight And Portable: 38LBS
- . Comes Complete With Two 25 Foot Lines
- · Optional Cage 1 Inch Mesh
- Motor UL/CSA Recognized & CE Certified
- One Year Limited Warranty
- . Ship U.P.S. Or Pallet Load Motor Freight
- Shown Here With Heavy Duty ABS Float
- Average Oxygen Transfer Rate 2.606 Lb. O./ Hr.
- Gallons Per Minute 884.1
- · See Back for Specifications

EXCLUSIVELY FROM THE POWER HOUSE

MODEL F750DP

F750DP

- 3/4 H.P. Energy Efficient PSC Motor
- 9.0 Amps, 120 Volts, 60 Cycle
- 4.8 Amps, 220 Volt, 60 Cycle
- Same Top Quality Construction As All Other Models
- Motor UL/CSA Recognized & CE Certified



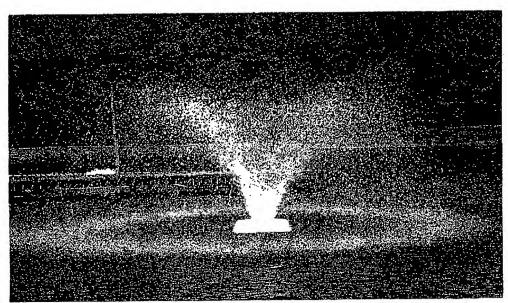
MODEL F1000DP

F1000DP

- 1 H.P. Energy Efficient PSC Motor
- 8.2 Amps, 120 Volts, 60 Cycle
- 4.1 Amps, 220 Volt, 60 Cycle
- Same Top Quality Construction As All Other Models
- Motor UL/CSA Recognized & CE Certified

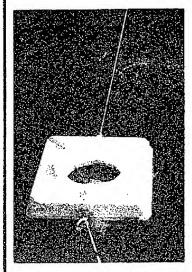
We have refined two of our most popular models to provide a 25% increase in oxygen transfer with one of the highest aeration efficiency rates in the industry.

MODEL F1000F FOUNTAIN



This adaption of the reliable F1000 Aerator produces a fountain-like water stream, providing a visually pleasing effect while supplying substantial water flow and high oxygen transfer. This unit is designed for use in areas where the appearance of the pond or lake is as important as the need for efficient aeration. The pattern produced is comparable to many of the larger fountain units on the market but uses less than half the electric power needed by these units. The high volume spray resists misting and loing and covers an area 6' high by 21' in diameter. The Model F500F covers an area 4' high by 15' in diameter. Black float available upon request.

LEW!! FLOW KIT



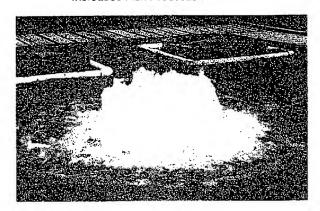
Fits Models: F500 thru F1000 (including Dual Prop)

- · Easy Field Installation
- Generates Flow For Raceways, Large Ponds, Shellfish
- Extends Coverage Of Vertical Aerator When Used Together
- For High Thrust Circulation And Aeration

MODEL F750 AERATOR

USED IN HATCHERIES, FISH CULTURE PONDS, AND FISH RESEARCH STATIONS

- Average Oxygen Transfer Rate 2.956 Lb. O₂/ HR.
- · Prevents Fish Stress And Mortality
- Increases Fish Production



- Helps Prevent Algae Growth
- · Eliminates Ice Formation
- 3/4 H.P. Energy Efficient PSC Motor
- 4.7 AMPS, 120 Volt, 60 Cycle
- 304 Stainless Steel and Bronze Construction
- Heavy Duty ABS Float
- Good Water Circulation With No Turbidity
- · For Ponds of .5 to 1.0 Acres
- Propellor Designed For Maximum Thrust
- 50 Foot Power Cord Standard
- Motor UL/CSA Recognized & CE Certified
- Lightweight and Portable: 50 lbs.
- · Optional Cage 1 Inch Mesh
- Gallons Per Minute 987.5
- Also Available:
 3/4 H.P., 230 Volt, 1 Phase, 60 Cycle, 2.5 Amps
 3/4 H.P. 115/220 Volt, 1 Phase, 50 Cycle
 1/2 H.P. (rated), 380 Volt, 3 Phase, 50 Cycle
- See Back for Specifications

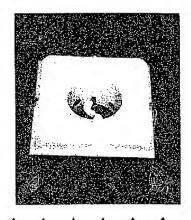


MODEL F1000 AERATOR

NOW AVAILABLE IN SINGLE AND THREE PHASE
USED IN HATCHERIES, FISH CULTURE PONDS,
AND FISH RESEARCH STATIONS

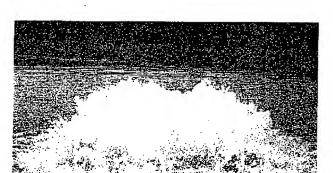
- High Oxygen Transfer Rate
- . Good Water Circulation With No Turbidity
- Fish Culture Ponds Of .75 To 1.5 Acres
- 1 H.P. Energy Efficient PSC Motor
- 7.0 Amps, 115 Volt, 1 Phase, 60/50 Cycle or
- · 3.5 Amps, 220 Volt, 1 Phase, 60/50 Cycle or
- 1.6 Amps, 220 Volt, 3 Phase, 60 Cycle
- · 304 Stainless Steel And Bronze Construction
- Removes Carbon Dioxide
- · Helps Prevent Algae Growth

- · Prevents Fish Stress And Mortality
- · Increases Growth Rate
- Fresh And Salt Water Durability
- · Heavy Duty ABS Float
- Propellor Designed For MaximumThrust
- · One Year Limited Warranty
- · Optional Cage 1 Inch Mesh
- 50 Foot 16/4 Power Cord Standard
- Motor UL/CSA Recognized & CE Certified
- Lightweight And Portable, 50 Lbs.
- · See Back for Specifications



MODEL F2000 AERATOR

USED IN CAGE CULTURE PROGRAMS, FISH CULTURE PONDS, AND FISH RESEARCH STATIONS



2 H.P.



- 2 H.P. Energy Efficient Motor Capacitor Start – Induction Run
- 12 AMPS, 230 Voit, 1 Phase, 60 Cycle, 1750 RPM
- 304 Stainless Steel and Bronze Construction
- 3 Blade Stainless Steel Propeller Designed For Maximum Thrust
- Heavy Duty ABS Float
- 50 Foot Power Cord Standard
- Weight 110 Lbs. 49.5 Kilograms
- One Year Limited Warranty
- Average Oxygen Transfer Rate 10.078 Lb. O₂ / Hr.
- Gallons Per Minute 1283.6
- Motor UL/CSA Recognized & CE Certified
- For Ponds Of 1.0 To 2.0 Acres
 With Depth Of 10 Feet Or More
- Optional Cage 1 Inch Mesh
- See Back for Specifications
- Now Available with Full Size or Compact Cages

MODEL F3000 AERATOR

USED IN SHRIMP FARMING, LARGE FISH CULTURE PONDS, NET PENS AND CAGE CULTURE SYSTEMS



3 H.P.



- High Oxygen Transfer Rate
- Increases Stocking Densities and Growth Rates
- Excellent Flow Generation
- Superior Mixing Capabilities -Good Circulation With No Turbidity
- Prevents Thermal Stratification
- For Ponds of 3 To 5 Acres
- One Year Limited Warranty
- · Fresh and Salt Water Durable
- Units Adjustable For Aeration,
 Flow Generation Or Combination Of Both.
- · Motor UL/CSA Recognized & CE Certified
- · Ship Motor Freight Only
- Also Available:

230/460 Volt, 3 Phase, 60 Cycle, 7.6/3.8 AMPS, 3,450 RPM 190/380 Volt, 3 Phase, 50 Cycle, 9.8/4.9 AMPS, 2,850 RPM



Prototype installation of 3 H.P. Designed for adjustable aeration and flow generation.

Thanks to FRA-MAR Farm, Hampstead, MD for the use of their pond for testing and many of the photos in this brochure.

AQUACULTURE

Low dissolved oxygen levels and poor water quality can mean lower yields, reduced growth rate, and increased susceptibility to fish stress and disease. Fish farmers are finding improved water quality and increased production by using Power House aerators in raceways, ponds and sea pens.

Power House aerators are energy efficient and produce some of the highest oxygen transfer rates per horsepower/hour available. Also, these units help to maintain cleaner water, provide gentle circulation, and prevent thermal stratification... with no turbidity. Additional benefits include the ability to use the units as flow generators and to prevent winter fish kills.

Power House aerators are unique in design and superior in construction and performance. They are also sultable for both salt and fresh water use.

AERATOR SPECIFICATIONS

- Unit shall be a _____HP, ____volt, _____cycle, _____phase vertical pump type aerator.
- Unit shall consist of motor assembly, heavy duty PVC shroud and heavy duty float with optional anti-fouling screen that surrounds
 the motor assembly.
- Motor assembly shall consist of motor housing, bronze endbell, electric motor, start/run components, seals and dielectric lubricating fluid. The motor housing shall be constructed of 16 gauge #304 stainless steel and the endbell shall be cast bronze for corrosion-free operation in either fresh or salt water. The electric motor, with matched necessary start/run components shall fit inside the motor housing, immersed in the dielectric lubricating fluid, with the shaft extending through the bronze endbell. The motor shall have stator windings with double impregnation of baked insulating varnish, and two heavy duty ball bearings to provide support for the rotor. The motor shaft shall be #303/#304 stainless steel (not plated); with motor shaft flinger to prevent sand and dirt from accumulating around the endbell. The assembly shall also contain an internal, heavy duty, hard faced mechanical seal with stainless steel components to keep assembly water-tight, and an additional seal pressed into the bronze endbell at the shaft opening to protect against sand and dirt abraision.
- Unit shall come complete with _____feet of water and oil resistant power cord.
- · Heavy duty custom brackets will attach motor housing to shroud. All stainless bolts and locking aircraft nuts are to be used.
- PVC shroud may have side ports for maximum water flow.
- Motor housing and shroud assembly for 1/2 through 2 HP units shall rest in opening of custom designed float assembly without need
 of further mechanical attachment, for ease of installation and removal.
- Float assembly (for 1/2 HP through 2 HP units) shall be formed of 15 year UV resistant ABS plastic with custom designed opening
 to support shroud and motor assembly. Assembly shall come complete with two (2) eye bolts and two (2) 25' lengths of 3/8" propylene
 rope.

The Power House is committed to providing the finest aerators available in the marketplace. As a result, specifications are subject to change without notice.

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POWER HOUSE

20 Gwynns Mill Court Owings Mills, Maryland 21117 410-654-9700 800-243-4741 410-654-9706 Fax

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